

## ABSTRACT

5        The present invention provides a cartridge device (20) comprising a receiving portion (10) for receiving a blood sample and a jack portion (18) for receiving a plug (22); a stirring device (19) for circulating said blood sample within said receiving portion (10); and an electrode holder (14) having at least one incorporated electrode wire pair (16; 24; 25; 26); wherein the electrode holder (14) is attachable to the cell (9) such that one end (16a; 24a; 25a; 26a) of the at least one electrode wire pair (16; 24; 25; 26) forms a sensor unit (17a; 17b; 17c; 17d) for measuring the electrical impedance between the two electrode wires of the at least one electrode wire pair (16; 24; 25; 26) within the blood sample and that the opposite end (16b; 24b; 25b; 26b) of the at least one electrode wire pair (16; 24; 25; 26) forms a plug portion (21a; 21b; 21c; 21d) being connectable directly to the plug (22) for an electrical connection of the sensor unit (17a; 17b; 17c; 17d) to an analyser.

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